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Email: sapiencebangalore@gmail.com

JobNo: SCE/BBMP/HB/17/2020-2021

Date: : 01.06.2021

TEST RESULTS OF AGGREGATE IMPACT VALUE

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.
Agency : **Sri. H B Rajendra,** Contractor, Bangalore.
Name of work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore.
Source / Location : Hot Mix Plant, Bangalore
BIS Code : IS 2386 Part (4):1963
Type of Mix : Dense Graded Bituminous Macadam
Date of test : 01.06.2021

Sl No.	Details	Trial No.		Average
		1	2	
1	Total weight of aggregate sample filling the cylindrical measure = W1 g	382	384	
2	Weight of agregate passing 2.36 mm sieve after the test = W2 g	84	86	
3	Weight of aggregate retained 2.36 mm sieve after the test = W3 g	298	298	
5	Aggregate Impact value = percent fines 100* (W2/W1) percent	21.99	22.40	22.19

Comments:

→ Maximum allowable Aggregate Impact value for Dense Graded Bituminous Macadam is 27% (Table 500-8 of MORTH specification)

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Note:

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JobNo: SCE/BBMP/HB/17/2020-2021

Date : 01.06.2021

TEST RESULTS OF AGGREGATE SHAPE TEST (Flakiness & Elongation)

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of work Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore.

BIS Code : IS 2386 Part (1):1963

Date of Test : 01.06.2021

Type of Mix : Dense Graded Bituminous Macadam

Sl.No.	Flakiness Index Value(%)	Elongation Index Value(%)	Total(Combined Flakiness and Elongation)(%)	Requirements
1	10.30	11.50	21.80	Maximum allowable Combined Flakiness and Elongation Indices for Dense Graded Bituminous Macadam is 35% as per Table 500.8 MORTH Specification.
2	11.50	10.40	21.90	

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JobNo: SCE/BBMP/HB/17/2020-2021

Date : 01.06.2021

TEST RESULTS OF AGGREGATE SHAPE TEST (Flakiness & Elongation)

Client : Executive Engineer, RR Nagar Division,BBMP, Bangalore.

Agency : Sri. H B Rajendra, Contractor, Bangalore.

Name of work Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore.

BIS Code : IS 2386 Part (1):1963

Date of Test : 01.06.2021

Type of Mix : Dense Graded Bituminous Macadam

Sl.No.	Flakiness Index Value(%)	Elongation Index Value(%)	Total(Combined Flakiness and Elongation)(%)	Requirements
1	11.90	10.10	22.00	Maximum allowable Combined Flakiness and Elongation Indices for Dense Graded Bituminous Macadam is 35% as per Table 500.8 MORTH Specification.
2	11.40	10.40	21.80	

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JobNo: SCE/BBMP/HB/17/2020-2021

Date : 01.06.2021

TEST RESULTS OF AGGREGATE SHAPE TEST (Flakiness & Elongation)

Client : Executive Engineer, RR Nagar Division,BBMP, Bangalore.
Agency : Sri. H B Rajendra, Contractor, Bangalore.
Name of work Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore.

BIS Code : IS 2386 Part (1):1963
Date of Test : 01.06.2021
Type of Mix : Dense Graded Bituminous Macadam

Sl.No.	Flakiness Index Value(%)	Elongation Index Value(%)	Total(Combined Flakiness and Elongation)(%)	Requirements
1	12.10	10.20	22.30	Maximum allowable Combined Flakiness and Elongation Indices for Dense Graded Bituminous Macadam is 35% as per Table 500.8 MORTH Specification.
2	10.40	11.80	22.20	

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Email: sapienceblangalore@gmail.com

Job No: SCE/BBMP/HB/17/2020-2021

Date : 01.06.2021

TEST RESULTS OF AGGREGATE SHAPE TEST (Flakiness & Elongation)

Client : Executive Engineer, RR Nagar Division,BBMP, Bangalore.
Agency : Sri. H B Rajendra, Contractor, Bangalore.
Name of work Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore.

BIS Code : IS 2386 Part (1):1963
Date of Test : 01.06.2021
Type of Mix : Dense Graded Bituminous Macadam

Sl.No.	Flakiness Index Value(%)	Elongation Index Value(%)	Total(Combined Flakiness and Elongation)(%)	Requirements
1	11.80	10.20	22.00	Maximum allowable Combined Flakiness and Elongation Indices for Dense Graded Bituminous Macadam is 35% as per Table 500.8 MORTH Specification.
2	10.60	11.40	22.00	

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Date : 01.06.2021

TEST RESULTS OF AGGREGATE SHAPE TEST (Flakiness & Elongation)

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.
Agency : **Sri. H B Rajendra,** Contractor, Bangalore.
Name of work Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore.

BIS Code : IS 2386 Part (1):1963
Date of Test : 01.06.2021
Type of Mix : Dense Graded Bituminous Macadam

Sl.No.	Flakiness Index Value(%)	Elongation Index Value(%)	Total(Combined Flakiness and Elongation)(%)	Requirements
1	10.50	11.70	22.20	Maximum allowable Combined Flakiness and Elongation Indices for Dense Graded Bituminous Macadam is 35% as per Table 500.8 MORTH Specification.
2	11.50	10.40	21.90	

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TEST RESULTS OF AGGREGATE SHAPE TEST (Flakiness & Elongation)

Client : Executive Engineer, RR Nagar Division,BBMP, Bangalore.
Agency : Sri. H B Rajendra, Contractor, Bangalore.
Name of work Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore.

BIS Code : IS 2386 Part (1):1963
Date of Test : 01.06.2021
Type of Mix : Dense Graded Bituminous Macadam

Sl.No.	Flakiness Index Value(%)	Elongation Index Value(%)	Total(Combined Flakiness and Elongation)(%)	Requirements
1	12.10	10.30	22.40	Maximum allowable Combined Flakiness and Elongation Indices for Dense Graded Bituminous Macadam is 35% as per Table 500.8 MORTH Specification.
2	10.50	11.80	22.30	

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JobNo: SCE/BBMP/HB/17/2020-2021

Date : 01.06.2021

TEST RESULTS OF AGGREGATE SHAPE TEST (Flakiness & Elongation)

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.
Agency : **Sri. H B Rajendra,** Contractor, Bangalore.
Name of work Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore.

BIS Code : IS 2386 Part (1):1963
Date of Test : 01.06.2021
Type of Mix : Dense Graded Bituminous Macadam

Sl.No.	Flakiness Index Value(%)	Elongation Index Value(%)	Total(Combined Flakiness and Elongation)(%)	Requirements
1	10.40	11.50	21.90	Maximum allowable Combined Flakiness and Elongation Indices for Dense Graded Bituminous Macadam is 35% as per Table 500.8 MORTH Specification.
2	11.20	10.30	21.50	

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JobNo: SCE/BBMP/HB/17/2020-2021

Date : 01.06.2021

TEST RESULTS OF AGGREGATE SHAPE TEST (Flakiness & Elongation)

Client : Executive Engineer, RR Nagar Division,BBMP, Bangalore.
Agency : Sri. H B Rajendra, Contractor, Bangalore.
Name of work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore.
BIS Code : IS 2386 Part (1):1963
Date of Test : 01.06.2021
Type of Mix : Dense Graded Bituminous Macadam

Sl.No.	Flakiness Index Value(%)	Elongation Index Value(%)	Total(Combined Flakiness and Elongation)(%)	Requirements
1	11.60	10.70	22.30	Maximum allowable Combined Flakiness and Elongation Indices for Dense Graded Bituminous Macadam is 35% as per Table 500.8 MORTH Specification.
2	10.80	11.40	22.20	

Note:

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Job No.: SCE/BBMP/HB/17/2020-2021

Specific Gravity And Water Absorption Test

Date: 03.06.2021

Client	: Executive Engineer, RR Nagar Division,BBMP, Bangalore.
Agency	: Sri. H B Rajendra, Contractor, Bangalore.
Name of the Work	Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore.
BIS Code	IS 2386(Part 3):1963
Type of Mix	Dense Graded Bituminous Macadam
Date of Testing	01.06.2021 to 03.06.2021

Sl. No.	Details	Notation	Test Number			Mean Value
			Test 1	Test 2	Test 3	
1	Weight of aggregate suspended in water with the basket	W_1 g	2021	2019	2017	
2	Weight of basket suspended in water	W_2 g	754	754	754	
3	Weight of saturated aggregate in water	$(W_1 - W_2) = W_s$ g	1267	1265	1263	
4	Weight of saturated surface dry aggregate in air	W_3 g	2012	2014	2016	
5	Weight of water equal to the volume of the aggregate	$(W_3 - W_S)$ g	745	749	753	
6	Weight of oven dried aggregate	W_4 g	2003	2005	2007	
7	Specific Gravity	$W_4/(W_3-W_S)$	2.689	2.677	2.665	2.677
8	Apparent Specific gravity	$W_4/(W_4-W_S)$	2.721	2.709	2.698	2.710
9	Water Absorption	$((W_3-W_4)*100)/W_4$	0.45%	0.45%	0.45%	0.45%

Comments:

→ Maximum allowable Aggregate Water absorption value for Dense Graded Bituminous Macadam is 2.0%(As per MORTH table 500.8)

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Job No.: SCE/BBMP/HB/17/2020-2021

Aggregate Gradation Test

Date: 01.06.2021

Client	: Executive Engineer, RR Nagar Division,BBMP, Bangalore.
Agency	: Sri. H B Rajendra, Contractor, Bangalore.
Name of the Work	Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore.
BIS Code	IS 2386(Part 1):1963(RA 2011)
Sample I / D	Hot mix Plant, Bangalore.
Type of Mix	Dense Graded Bituminous Macadam
Date of Testing	01.06.2021

Total Weight of Sample: 10000 gm

SIEVE SIZE, mm	Weight Retained, gm	% Retained	Cummulative % Retained	% Passing	Requirement as per MORTH table 500.10	Remarks
37.50	0	0.0	0	100	100	Gradation satisfies Grade-II MORTH specification
26.50	628	6.3	6.28	93.72	90 - 100	
19.00	1326	13.3	19.54	80.46	71 - 95	
13.20	1247	12.5	32.01	67.99	56 - 80	
4.75	2359	23.6	55.60	44.40	38 - 54	
2.36	1251	12.5	68.11	31.89	28 - 42	
0.300	1628	16.3	84.39	15.61	7 - 21	
0.075	1173	11.7	96.12	3.88	2 - 8	

Total Weight of Sample: 10000 gm

SIEVE SIZE, mm	Weight Retained, gm	% Retained	Cummulative % Retained	% Passing	Requirement as per MORTH table 500.10	Remarks
37.5	0	0.0	0	100	100	Gradation satisfies Grade-II MORTH specification
26.5	603	6.0	6.03	93.97	90 - 100	
19	1258	12.6	18.61	81.39	71 - 95	
13.2	1304	13.0	31.65	68.35	56 - 80	
4.75	2418	24.2	55.83	44.17	38 - 54	
2.360	1412	14.1	69.95	30.05	28 - 42	
0.300	1532	15.3	85.27	14.73	7 - 21	
0.075	954	9.5	94.81	5.19	2 - 8	

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Lab No: SCE/BBMP/HB/17/2020-2021

Aggregate Gradation Test

Date: 01.06.2021

Client	: Executive Engineer, RR Nagar Division,BBMP, Bangalore.
Agency	: Sri. H B Rajendra, Contractor, Bangalore.
Name of the Work	Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore.
BIS Code	IS 2386(Part I):1963(RA 2011)
Sample I / D	Hot mix Plant, Bangalore.
Type of Mix	Dense Graded Bituminous Macadam
Date of Testing	01.06.2021

Total Weight of Sample: 10000 gm

SIEVE SIZE, mm	Weight Retained, gm	% Retained	Cummulative % Retained	% Passing	Requirement as per MORTH table 500.10	Remarks
37.50	0	0.0	0	100	100	Gradation satisfies Grade-II MORTH specification
26.50	611	6.1	6.11	93.89	90 - 100	
19.00	1329	13.3	19.40	80.60	71 - 95	
13.20	1147	11.5	30.87	69.13	56 - 80	
4.75	2368	23.7	54.55	45.45	38 - 54	
2.36	1152	11.5	66.07	33.93	28 - 42	
0.300	1623	16.2	82.30	17.70	7 - 21	
0.075	1349	13.5	95.79	4.21	2 - 8	

Total Weight of Sample: 10000 gm

SIEVE SIZE, mm	Weight Retained, gm	% Retained	Cummulative % Retained	% Passing	Requirement as per MORTH table 500.10	Remarks
37.5	0	0.0	0	100	100	Gradation satisfies Grade-II MORTH specification
26.5	598	6.0	5.98	94.02	90 - 100	
19	1267	12.7	18.65	81.35	71 - 95	
13.2	1302	13.0	31.67	68.33	56 - 80	
4.75	2415	24.2	55.82	44.18	38 - 54	
2.360	1316	13.2	68.98	31.02	28 - 42	
0.300	1208	12.1	81.06	18.94	7 - 21	
0.075	1317	13.2	94.23	5.77	2 - 8	

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Lab No: SCE/BBMP/HB/17/2020-2021

Aggregate Gradation Test

Date: 01.06.2021

Client	: Executive Engineer, RR Nagar Division,BBMP, Bangalore.
Agency	: Sri. H B Rajendra, Contractor, Bangalore.
Name of the Work	Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore.
BIS Code	IS 2386(Part 1):1963(RA 2011)
Sample I / D	Hot mix Plant, Bangalore.
Type of Mix	Dense Graded Bituminous Macadam
Date of Testing	01.06.2021

Total Weight of Sample: 10000 gm

SIEVE SIZE, mm	Weight Retained, gm	% Retained	Cummulative % Retained	% Passing	Requirement as per MORTH table 500.10	Remarks
37.50	0	0.0	0	100	100	Gradation satisfies Grade-II MORTH specification
26.50	633	6.3	6.33	93.67	90 - 100	
19.00	1218	12.2	18.51	81.49	71 - 95	
13.20	1202	12.0	30.53	69.47	56 - 80	
4.75	2378	23.8	54.31	45.69	38 - 54	
2.36	1151	11.5	65.82	34.18	28 - 42	
0.300	1562	15.6	81.44	18.56	7 - 21	
0.075	1237	12.4	93.81	6.19	2 - 8	

Total Weight of Sample: 10000 gm

SIEVE SIZE, mm	Weight Retained, gm	% Retained	Cummulative % Retained	% Passing	Requirement as per MORTH table 500.10	Remarks
37.5	0	0.0	0	100	100	Gradation satisfies Grade-II MORTH specification
26.5	624	6.2	6.24	93.76	90 - 100	
19	1495	15.0	21.19	78.81	71 - 95	
13.2	1267	12.7	33.86	66.14	56 - 80	
4.75	2356	23.6	57.42	42.58	38 - 54	
2.360	1208	12.1	69.50	30.50	28 - 42	
0.300	1287	12.9	82.37	17.63	7 - 21	
0.075	978	9.8	92.15	7.85	2 - 8	

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Email: sapiencebangalore@gmail.com

Ref No: SCE/BBMP/HB/17/2020-2021

Aggregate Gradation Test

Date: 01.06.2021

Client	: Executive Engineer, RR Nagar Division,BBMP, Bangalore.
Agency	: Sri. H B Rajendra, Contractor, Bangalore.
Name of the Work	Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore.
BIS Code	IS 2386(Part 1):1963(RA 2011)
Sample I / D	Hot mix Plant, Bangalore.
Type of Mix	Dense Graded Bituminous Macadam
Date of Testing	01.06.2021

Total Weight of Sample: 10000 gm

SIEVE SIZE, mm	Weight Retained, gm	% Retained	Cummulative % Retained	% Passing	Requirement as per MORTH table 500.10	Remarks
37.50	0	0.0	0	100	100	Gradation satisfies Grade-II MORTH specification
26.50	592	5.9	5.92	94.08	90 - 100	
19.00	1146	11.5	17.38	82.62	71 - 95	
13.20	1237	12.4	29.75	70.25	56 - 80	
4.75	2413	24.1	53.88	46.12	38 - 54	
2.36	1128	11.3	65.16	34.84	28 - 42	
0.300	1539	15.4	80.55	19.45	7 - 21	
0.075	1304	13.0	93.59	6.41	2 - 8	

Total Weight of Sample: 10000 gm

SIEVE SIZE, mm	Weight Retained, gm	% Retained	Cummulative % Retained	% Passing	Requirement as per MORTH table 500.10	Remarks
37.5	0	0.0	0	100	100	Gradation satisfies Grade-II MORTH specification
26.5	603	6.0	6.03	93.97	90 - 100	
19	1348	13.5	19.51	80.49	71 - 95	
13.2	1259	12.6	32.10	67.90	56 - 80	
4.75	2361	23.6	55.71	44.29	38 - 54	
2.360	1275	12.8	68.46	31.54	28 - 42	
0.300	1311	13.1	81.57	18.43	7 - 21	
0.075	1432	14.3	95.89	4.11	2 - 8	

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Ref No.: SCE/BBMP/HB/17/2020-2021

Aggregate Gradation Test

Date: 01.06.2021

Client	: Executive Engineer, RR Nagar Division,BBMP, Bangalore.
Agency	: Sri. H B Rajendra, Contractor, Bangalore.
Name of the Work	Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore.
BIS Code	IS 2386(Part 1):1963(RA 2011)
Sample I / D	Hot mix Plant, Bangalore.
Type of Mix	Dense Graded Bituminous Macadam
Date of Testing	01.06.2021

Total Weight of Sample: 10000 gm

SIEVE SIZE, mm	Weight Retained, gm	% Retained	Cummulative % Retained	% Passing	Requirement as per MORTH table 500.10	Remarks
37.50	0	0.0	0	100	100	Gradation satisfies Grade-II MORTH specification
26.50	528	5.3	5.28	94.72	90 - 100	
19.00	1326	13.3	18.54	81.46	71 - 95	
13.20	1249	12.5	31.03	68.97	56 - 80	
4.75	2614	26.1	57.17	42.83	38 - 54	
2.36	1006	10.1	67.23	32.77	28 - 42	
0.300	1327	13.3	80.50	19.50	7 - 21	
0.075	1215	12.2	92.65	7.35	2 - 8	

Total Weight of Sample: 10000 gm

SIEVE SIZE, mm	Weight Retained, gm	% Retained	Cummulative % Retained	% Passing	Requirement as per MORTH table 500.10	Remarks
37.5	0	0.0	0	100	100	Gradation satisfies Grade-II MORTH specification
26.5	567	5.7	5.67	94.33	90 - 100	
19	1319	13.2	18.86	81.14	71 - 95	
13.2	1254	12.5	31.40	68.60	56 - 80	
4.75	2307	23.1	54.47	45.53	38 - 54	
2.360	1308	13.1	67.55	32.45	28 - 42	
0.300	1261	12.6	80.16	19.84	7 - 21	
0.075	1479	14.8	94.95	5.05	2 - 8	

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No.: SCE/BBMP/HB/17/2020-2021

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Date: 01.06.2021

Client	: Executive Engineer, RR Nagar Division,BBMP, Bangalore.
Agency	: Sri. H B Rajendra, Contractor, Bangalore.
Name of the Work	Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore.
BIS Code	IS 2386(Part 1):1963(RA 2011)
Sample I / D	Hot mix Plant, Bangalore.
Type of Mix	Dense Graded Bituminous Macadam
Date of Testing	01.06.2021

Total Weight of Sample: 10000 gm

SIEVE SIZE, mm	Weight Retained, gm	% Retained	Cummulative % Retained	% Passing	Requirement as per MORTH table 500.10	Remarks
37.50	0	0.0	0	100	100	Gradation satisfies Grade-II MORTH specification
26.50	612	6.1	6.12	93.88	90 - 100	
19.00	1329	13.3	19.41	80.59	71 - 95	
13.20	1284	12.8	32.25	67.75	56 - 80	
4.75	2631	26.3	58.56	41.44	38 - 54	
2.36	1105	11.1	69.61	30.39	28 - 42	
0.300	1462	14.6	84.23	15.77	7 - 21	
0.075	1266	12.7	96.89	3.11	2 - 8	

Total Weight of Sample: 10000 gm

SIEVE SIZE, mm	Weight Retained, gm	% Retained	Cummulative % Retained	% Passing	Requirement as per MORTH table 500.10	Remarks
37.5	0	0.0	0	100	100	Gradation satisfies Grade-II MORTH specification
26.5	595	6.0	5.95	94.05	90 - 100	
19	1353	13.5	19.48	80.52	71 - 95	
13.2	1228	12.3	31.76	68.24	56 - 80	
4.75	2417	24.2	55.93	44.07	38 - 54	
2.360	1316	13.2	69.09	30.91	28 - 42	
0.300	1295	13.0	82.04	17.96	7 - 21	
0.075	1432	14.3	96.36	3.64	2 - 8	

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Name of the Work	Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore.
BIS Code	IS 2386(Part 1):1963(RA 2011)
Sample I / D	Hot mix Plant, Bangalore.
Type of Mix	Dense Graded Bituminous Macadam
Date of Testing	01.06.2021

Total Weight of Sample: 10000 gm

SIEVE SIZE, mm	Weight Retained, gm	% Retained	Cummulative % Retained	% Passing	Requirement as per MORTH table 500.10	Remarks
37.50	0	0.0	0	100	100	Gradation satisfies Grade-II MORTH specification
26.50	659	6.6	6.59	93.41	90 - 100	
19.00	1157	11.6	18.16	81.84	71 - 95	
13.20	1168	11.7	29.84	70.16	56 - 80	
4.75	2431	24.3	54.15	45.85	38 - 54	
2.36	1057	10.6	64.72	35.28	28 - 42	
0.300	1465	14.7	79.37	20.63	7 - 21	
0.075	1283	12.8	92.20	7.80	2 - 8	

Total Weight of Sample: 10000 gm

SIEVE SIZE, mm	Weight Retained, gm	% Retained	Cummulative % Retained	% Passing	Requirement as per MORTH table 500.10	Remarks
37.5	0	0.0	0	100	100	Gradation satisfies Grade-II MORTH specification
26.5	573	5.7	5.73	94.27	90 - 100	
19	1239	12.4	18.12	81.88	71 - 95	
13.2	1325	13.3	31.37	68.63	56 - 80	
4.75	2415	24.2	55.52	44.48	38 - 54	
2.360	1327	13.3	68.79	31.21	28 - 42	
0.300	1219	12.2	80.98	19.02	7 - 21	
0.075	1435	14.4	95.33	4.67	2 - 8	

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